



3763

TRANSMITTAL LETTER
(General - Patent Pending)

Docket No.
112843-025

In Re Application Of: **Larrain et al.**

Serial No.
09/681,896

Filing Date
June 21, 2001

Examiner
M. Desanto

Group Art Unit
3763

Title: **MEDIUM CRACKING PRESSURE VALVE ARRANGEMENT**

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Transmitted herewith is:

Petition for Extension of Time (duplicate); Response to Office Action (7 pgs.); check in the amount of \$410.00; and return receipt postcard.

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in the above identified application.

- ☐ No additional fee is required.
- ☒ A check in the amount of **\$410.00** is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. **02-1818** as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

Signature

Dated: **February 11, 2003**

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I certify that this document and fee is being deposited on **02-11-2003** with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

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Robert J. Buccieri

Typed or Printed Name of Person Mailing Correspondence

CC:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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#11/9

Applicant(s): Larrain et al.
Appl. No.: 09/681,896
Conf. No.: 2983
Filed: June 21, 2001
Title: MEDIUM CRACKING PRESSURE VALVE ARRANGEMENT
Art Unit: 3763
Examiner: M. Desanto
Docket No.: 112843-025

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Commissioner for Patents
Washington, DC 20231

RESPONSE TO OFFICE ACTION

Sir:

In response to the Office Action dated October 7, 2002, please amend the above-identified patent application as follows:

In the Claims:

Please amend Claims 1, 7, 14, 17, and 19 as follows:

59
GC
1. (Amended) A valve arrangement suitable for use with a rotary peristaltic pump and which is capable of allowing a flow of fluid in a first direction and capable of preventing the flow of fluid in a second direction, wherein the valve arrangement comprises a valve having a cracking pressure of approximately 0.10 to about 0.20 bar wherein the valve comprises a flexible membrane which is deformable under pressure in a desired flow direction, and wherein the flexible membrane includes at least one perforation which opens at a selected extent of deformation of the flexible membrane to permit flow therethrough.

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CV
7. (Amended) A device for the administration of at least one fluid to a patient comprising:

a valve arrangement including a flexible membrane that is deformable under pressure in a desired flow direction and having a cracking pressure of approximately 0.10 to about 0.20 bar